Please type a plus sign (+) inside this box [+]

Approved for use through 09/30/00. OMB 0651-0032 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

## UTILITY PATENT APPLICATION

|        | ADDRESS TO:        | Commission     | er for Patents   | 17         |  |
|--------|--------------------|----------------|------------------|------------|--|
| Expre  | ess Mail Label No. | EV268211326L   | JS .             | ∪.s<br>580 |  |
| Kelly  | R. Schmitz         |                |                  | PT.        |  |
|        | First Nam d Inv    | nt ror Applica | ation Id ntifier | · 0.       |  |
| Attori | ney Docket No.     | 4191-00340     | Total Pages      | 15+        |  |
|        |                    |                |                  |            |  |

| ۱ ^  | TRANSMITTAL   | First Nam d Inv nt r or Application Id ntifier |   |                |                    |         |            |    |
|--|---|--|---|----------------|--------------------|---------|------------|----|
|  | w nonprovisional applicati ns                                 | Kelly  | R. Schmitz  |                |                    |         | PT<br>68   |    |
| u u  | nder 37 CFR 1.53(b)   |  |   |                |                    |         | OD CO      |    |
|  |   | Expre  | ss Mail Label No.   |                | 11326US            |         | 28.C       |    |
|  | APPLICATION ELEMENTS  |  | ADDRESS TO:   |                | nissioner for Pa   |         | 7          |    |
| See MPEP cha   | oter 600 concerning utility patent applic                     | cation   |   |                | atent Application  |         | 258<br>10/ |    |
|  | contents  |  | 7. D CD-ROM o   |                | ington, D.C. 20    |         |            |    |
| │<br>1.⊠ Fee Tran  | emittal Form  |  |   |                | duplicate, large   | lable   | ΟĹ         |    |
|  | iginal, and a duplicate for fee processi                      | Computer Program (Appendix)                    |   |                |                    |         |            |    |
| (5027 2 5.   | .g.,  |  | 8. Nucleotide and   | or Amino       | Acid Sequence      | Subm    | ission     |    |
| 2.  Applicant  | claims small entity status.                                   |  | (if applicable, all necessary)                                    |                |                    |         |            |    |
| See 37 C   | FR1.27.   |  | a. □ Computer Readable Copy (CRF)                                 |                |                    |         |            |    |
|  | 1   | 1  |   |                | equence Listing    |         |            |    |
| 3. ⊠ Specifica   |   | ]  | i.   CD-ROM or CD-R (2 copies); or                                |                |                    |         |            |    |
|  | d arrangement set forth below) ve title of the Invention      |  | ii. □ paper<br>c. □ Statements verifying identify of above copies |                |                    |         |            |    |
|  | eferences to Related Applications                             | ſ  | ACCOMP  | ANVING         | APPLICATION F      | APT     | s cobie    | ;5 |
|  | nt Regarding Fed sponsored R & D                              | ŀ  | 9 ☐ Assignment  | Papers (c      | cover sheet & do   | cumer   | nt(s))     |    |
|  | e to sequence listing, a table, or a                          |  | • <u> </u>  | . 90.0 (0      | ,                  | Jui!!!! | (0))       |    |
|  | r program listing appendix                                    |  | 10.□ 37 CFR 3.73  | 3(b) State     | ment D Power       | of Atto | rney       |    |
| - Backgrou   | and of the Invention  |  | (when the   | e is an as     | ssignee)           |         |            |    |
|  | nmary of the Invention  |  | 44 🖶 🗁  | 5              |                    |         |            |    |
|  | cription of the Drawings (if filed) Description               |  | 11.□ English Trar   | islation D     | ocument (if appli  | cable)  | 1          |    |
| - Claim(s)   | Description   |  | 12.□ Information  | Diecloeur      | e 🗆 Copie          | e of I  | 26         |    |
|  | of the Disclosure   |  |   |                |                    | ations  |            |    |
|  | 8   | 3  | Statement (IDS)/PTO-1449 Citations                                |                |                    |         |            |    |
| 4. 🗵 Drawing(s   | s) (35 USC 113)       [Total Sheets                           | <u> </u>                                       | ] 13.□ Preliminary Amendment                                      |                |                    |         |            |    |
| E Ooth or Doole  | Total Bassa 3   | 3  ,   | ]   |                |                    |         |            |    |
| 5. Oath or Decla   | ration [Total Pages] y executed (original or copy)            | 14. 🗵 Return Rec                               | eipt Postc  | ard (MPEP 503) |                    |         |            |    |
| h □ Conv   | from a prior application (37 CFR 1.63(                        | (Should be specifically itemized)              |   |                |                    |         |            |    |
|  | continuation/divisional with Box 18                           | ٠,,  | 15.□ Certified Co   | ny of Prio     | rity Document(s)   |         |            |    |
|  | pleted)   |  | (if foreign   |                |                    |         |            |    |
|  |   |  |   |                |                    |         |            |    |
| i. 🗆 <u>DE</u>   | LETION OF INVENTOR(S)   |  |   |                | est under 35 U.S   |         |            |    |
|  | gned statement attached deleting ventor(s) named in the prior |  |   |                | olicant must attac | h forn  | n          |    |
|  | pplication, see 37 CFR 1.63(d)(2) and                         |  | PTO/SB/35 or its equivalent.                                      |                |                    |         |            |    |
|  | .33(b).   |  | 17.⊠ Other:   |                |                    |         |            |    |
| ·  |   |  | Tries Outon.  |                |                    |         |            |    |
| 6.  Application  | on Data Sheet. See 37 CFR 1.76                                |  | ☐ Supp  | lement to      | Transmittal Lette  | er .    |            |    |
|  |   |  | ☐ Certif  | ficate of E    | xpress Mail        |         |            |    |
|  |   |  |   |                |                    |         |            |    |
| 19. If a CONTINUING APPLICATION, about appropriate boy and symphothe requisite informations  |   |  |   |                |                    |         |            |    |
| 18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: ☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.:/   |   |  |   |                |                    |         |            |    |
| Prior application information: Examiner Group Art Unit:  |   |  |   |                |                    |         |            |    |
| For CONTINUATIO  | N OR DIVISIONAL APPS ONLY: The entire disc                    |  | f the prior application, f  | rom which a    |                    |         |            |    |
| under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. |   |  |   |                |                    |         |            |    |
| 19. CORRESPONDENCE ADDRÉSS   |   |  |   |                |                    |         |            |    |
|  |   |  |   |                |                    |         |            |    |
| Direct all correspondence to: ☑ Customer Number: 26753 ☑ Correspondence address below  |   |  |   |                |                    |         |            |    |
|  |   |  |   |                |                    |         |            |    |
| NAMÉ   | Michael E. Taken (Reg. No. 28,120)                            | _  |   |                |                    |         |            |    |
| 14//IAIF   | ANDRUS, SCEALES, STARKE & SA                                  | WALL   | LLP   |                |                    |         |            |    |
| ADDRESS  | 100 East Wisconsin Avenue                                     | ·· · · · · .                                   |   |                |                    |         |            |    |
|  | Suite 1100  |  |   | <del></del>    |                    |         |            |    |
| CITY   | Milwaukee   | STAT   | E Wisconsin   |                | ZIP CODE           | 5320    | 2-4178     | 3  |
| COUNTRY  |   | PHON   |   | 0              |                    |         | -5770      |    |

## CERTIFICATE OF EXPRESS MAIL

This is to certify that this correspondence is being deposited with the United States Postal Service as EXPRESS MAIL POST OFFICE TO ADDRESSEE in an envelope addressed to Commissioner for Patents, Mail Stop - New Application, P.O. Box 1450, Alexandria, VA 22313-1450 on the 15th day of January, 2004. The Express Label is EV268211326US.

Jo Unn Tu Jo Ann Kuczynski 1-15-04

Date

Patent and Trademark Office: U.S. Department of Commerce

| PTO/SB/17   | COMPLETE IF KNOWN    |              |              |                  |                      |   |             |             |
|---|----------------------|--------------|--------------|------------------|----------------------|---|-------------|-------------|
| (8/96)  | Application Number   |              |              |                  |                      |   |             |             |
| FEE TRANSMITTAL   | Fiting Date          |              |              | 4                |                      |   |             |             |
|   | First Named Inventor |              |              | Kelly            | Kelly R. Schmitz     |   |             |             |
| Applicant claims small entity status. See 37 CFR 1.27   | Group                | Art Unit     |              | _                |                      |   |             |             |
|   | Exami                | ner Nan      | ne           |                  |                      |   |             |             |
| Total Amount of Payment (\$) 770.00   | Attorno              | ey Dock      | et Nur       |                  |                      | -00340                                      |             |             |
| METHOD OF PAYMENT (check one)   | <u> </u>             |              |              | FE               | E CALCL              | JLATION (continu                            | ed)         |             |
| 1. X The Commissioner is hereby authorized to charge indicated fees and credit any over                 |                      | C-44.        | •            |                  |                      |   |             |             |
| payments to:  | Large<br>Fee         | Fee          | Sma<br>Fee   | Il Entity<br>Fee |                      |   |             |             |
| Deposit Account   | Code                 |              | Code         |                  | Fee Descri           | ption                                       |             | Fee Paid    |
| Number Account 01.2000  | 4054                 | 130          | 2051         | 65               | Surcharge            | - late filing fee or oa                     | th          |             |
| Deposit<br>Name ANDRUS, SCEALES, STARKE & SAWALL, LLP   | 1051<br>1052         | 50           | 2052         |                  | Surcharge            | - late provisional fili                     |             |             |
|   | 1053                 | 130          | 1053         | 120              | or cove              | r sheet<br>sh specification                 | •           |             |
| Charge any additional fee required under 37 CFR 1.16 and 1.17   |                      | 2,520        | 1812         |                  |                      | request for examina                         | ation       |             |
|   | 1804                 | 920          | 1804         | 920              |                      | g publication of SIR                        | prior to    |             |
| The Commissioner is hereby authorized to charge the issue fee and any additional fees required under 37 | 1805                 | 1,840        | 1805         | 1.840            |                      | publication of SIR                          | after       | -           |
| C.F.R. 1.18 to the above Deposit Account A duplicate  |                      |              |              |                  | Examir               | ner action                                  |             |             |
| copy hereof is enclosed.  2. X Payment Enclosed:  | 1251                 | 110          | 2251         | 55               | Extension month      | for response within t                       | first       |             |
| Money Order Other   | 1252                 | 420          | 2252         | 210              | Extension month      | for response within                         | second      |             |
| FEE CALCULATION (fees effective 10/01/96)   | 1253                 | 950          | 2253         | 475              |                      | for response within                         | third       |             |
| 1. FILING FEE   | 1254                 | 1,480        | 2254         | 740              | Extension            | for response within t                       | fourth      |             |
| Large Entity Small Entity Fee Fee Fee Fee Fee Description Paid  | 1255                 | 2010         | 2255         | 1005             |                      | for response within t                       | fifth       |             |
| Fee Fee Fee Description Paid Code (\$) Code (\$)  | 1401                 | 330          | 2401         | 165              | month<br>Notice of A | ppeal                                       |             |             |
| 1001 · 770 2001 385 Utility fiting fee \$770.00   | 1402                 | 330          | 2402         |                  |                      | ef in support of an a                       | ppeal       |             |
| 1002 340 2002 170 Design filling fee  | 1403<br>1451         | 290<br>1,510 | 2403<br>1451 |                  |                      | r oral hearing<br>institute a public use    | e           |             |
| 1003 530 2003 265 Reissue filing fee  | 1                    |              |              |                  | proceed              | ding .                                      | -           | <u> </u>    |
| 1004 770 2004 303 Provisional filing fee  | 1452                 | 110          | 2452         | 55               |                      | revive unavoidably oned application         | ,           |             |
|   | 1453                 | 1,330        | 2453         | 665              | Petition to          | revive unintentionall                       | ly          |             |
| SUBTOTAL (1) (\$) 770.00  | 1501                 | 1,330        | 2501         | 665              |                      | ned application<br>e fee (or reissue)       |             |             |
| 2. CLAIMS Extra Fee from Fee Paid   | 1502                 | 480          | 2502         | 240              | Design iss           | ue fee                                      | ,           |             |
| below   | 1503<br>1460         | 640          | 2503         |                  | Plant issue          | e fee<br>o the Commissioner                 | •           |             |
| Total claims  | 1807                 | 130<br>50    | 1460<br>1807 |                  | Processing           |   |             |             |
| Claims  | 1,,,,                |              |              |                  | 37 CFR 1.            |   | -1 014      |             |
| Multiple Dependent X =  | 1806<br>8021         | 180<br>40    | 1806<br>8021 |                  |                      | n of Information Dis<br>each patent assigni |             | <del></del> |
| Large Entity Small Entity Fee   |                      |              |              | 40               | propert              | y (times number of p                        | properties) |             |
| Fee Fee Fee Description Code (\$) Code (\$)   | 1809                 | 770          | 2809         | 385              |                      | bmission after final r<br>R 1.29(a))        | ejection    |             |
| 1202 18 2202 9 Claims in excess of 20   | 1810                 | 770          | 2810         | 385              | For each a           | additional invention t                      |             |             |
| 1201 86 2001 43 Independent claims in   | 1801                 | 770          | 2801         | 385              |                      | ed (37 CFR 1.129(bor continued Examina      |             |             |
| excess of 3<br>1203 290 2003 145 Multiple dependent claim   |                      |              |              |                  | -                    | or expedited examin                         |             |             |
| 1204 86 2004 43 Reissue independent claims over original  | 1802                 | 900          | 1802         | 900              | design ap            |   | auon or a   |             |
| patent 1205 18 2205 9 Reissue claims in excess  | Othe                 | r fee (s     | specif       | y)               |                      |   |             |             |
| of 20 and over original patent  |                      |              |              |                  |                      |   |             |             |
| SUBTOTAL (2) (\$)   | * Rec                | luced b      | y Bas        | sic Filing       | g Fee Paid           | SUBTOTAL                                    | _ (3)       |             |
| SUBMITTED BY  | <u>'</u>             |              |              |                  |                      |   |             |             |
| Name (Print/Type) Michael E. Taken  | Registra             | ation N      | o.   2       | 28,120           |                      | Telephone                                   | (414) 2     | 71-7590     |
| Signature The Signature   |                      |              |              |                  |                      | Date  | 1 -         | /           |

Patent and Trademark Office: U.S. D partment of Commerce

| PTO/SB/17   |   |   | COMPLETE IF KNOWN      |              |             |   |                                       |  |
|---|---|---|------------------------|--------------|-------------|---|---------------------------------------|--|
| (8/96)  |   |   | tion Number            |              |             |   |                                       |  |
| ラ FEE TRANSMITTAL   |   |   | Filing Date            |              |             |   |                                       |  |
|   |   |   | amed In                | ventor       |             | Kelly R. Schmitz  |                                       |  |
| <del></del>   |   |   | Art Unit               | -            |             |   |                                       |  |
|   |   |   | er Nam                 | ie           |             |   |                                       |  |
| Total Amount of Payment (\$) 770.00                                       |   | Attorne   | y Dock                 | et Numi      | er          | 4191-00340  |                                       |  |
| ETHOD OF PAYMENT (check one)  |   |   |                        |              | FE          | E CALCULATION (continue   | d)                                    |  |
| 1. X The Commissioner is hereby authorized to                             |   |   |                        |              |             |   |                                       |  |
| charge indicated fees and credit any over payments to:                    |   | Large   | •                      | Small        | •           |   |                                       |  |
| Deposit   |   | Fee<br>Code                                     | Fee<br>(\$)            | Fee<br>Code  | Fee<br>(\$) | Fee Description   | Fee Paid                              |  |
| Account<br>Number 01.2000   |   |   | (+)                    |              | • • •       | •   |                                       |  |
| Account   |   | 1051  | 130                    | 2051<br>2052 |             | Surcharge - late filing fee or oats<br>Surcharge - late provisional filing  |                                       |  |
| Name ANDRUS, SCEALES, STARKE & SAWAL                                      | L, LLP                                    | 1052  | 50                     | 2002         | 25          | or cover sheet  |                                       |  |
| Charge any additional fee required under                                  |   | 1053  | 130                    | 1053         | 130         | Non-English specification   |                                       |  |
| 37 CFR 1.16 and 1.17  |   | 1812  | 2,520                  | 1812         |             | For filing a request for examinating Requesting publication of SIR programmers of the second |                                       |  |
| The Commissioner is hereby authorized to char                             | ge the                                    | 1004  | 920                    | 1804         | 920         | Examiner action   | nor to                                |  |
| issue fee and any additional fees required unde                           | r 37                                      | 1805  | 1,840                  | 1805         | 1,840       | Requesting publication of SIR at  | fter                                  |  |
| C.F.R. 1.18 to the above Deposit Account A dicopy hereof is enclosed.     | upiicate                                  | 1251  | 110                    | 2251         | 55          | Examiner action  Extension for response within fir  | ret                                   |  |
| 2. X Payment Enclosed:  |   | t   | 110                    | 2231         | 55          | month   |                                       |  |
| Money   |   | 1252  | 420                    | 2252         | 210         | Extension for response within se  | econd                                 |  |
| X Check Order Other   |   | 1253  | 950                    | 2253         | 475         | month Extension for response within th  | nird ————                             |  |
| FEE CALCULATION (fees effective 10/01/96)                                 | FEE CALCULATION (fees effective 10/01/96) |   |                        |              |             | month   |                                       |  |
| 1. FILING FEE   |   | 1254  | 1,480                  | 2254         | 740         | Extension for response within for month   | ourth                                 |  |
| Large Entity Small Entity Fee Fee Fee Fee Description Pa                  |   | 1255  | 2010                   | 2255         | 1005        | Extension for response within fif   | fth                                   |  |
| Code (\$) Code (\$)   | iiu                                       | 1401  | 330                    | 2401         | 165         | month<br>Notice of Appeal   |                                       |  |
| 1001 - 770 2001 385 Utility filing fee \$77                               | 0.00                                      | 1402  | 330                    | 2402         |             | Filing a brief in support of an ap  | peal                                  |  |
| 1002 340 2002 170 Blant filing fee  |   | 1403<br>1451                                    | 290<br>1,510           | 2403<br>1451 | 145         | Request for oral hearing<br>Petition to institute a public use  |                                       |  |
| 1003 530 2003 265 Reissue filing fee                                      |   | 4   |                        | 1401         | 1,010       | proceeding  |                                       |  |
| 1004 770 2004 365 Provisional filing ———————————————————————————————————— |   | 1452  | 110                    | 2452         | 55          | Petition to revive unavoidably abandoned application  |                                       |  |
|   |   | 1453  | 1,330                  | 2453         | 665         | Petition to revive unintentionally  | ,                                     |  |
| SUBTOTAL (1) (\$) 770.00  |   |   |                        |              |             | abandoned application   | -                                     |  |
|   | Paid                                      | 1501  | 1,330<br>480           | 2501<br>2502 |             | Utility issue fee (or reissue) Design issue fee   |                                       |  |
| below   | , a.d                                     | 1503  | 640                    | 2502         |             | Plant issue fee   |                                       |  |
| Total claims <u>11 -</u> 20 = X =   |   | 1460  | 130                    | 1460         |             | Petitions to the Commissioner   |                                       |  |
| Independent 2 3 = X = =   |   | 1807  | 50                     | 1807         | 50          | Processing fee under<br>37 CFR 1.17(a)  |                                       |  |
| Multiple Dependent X =  |   | 1806  | 180                    | 1806         | 180         | Submission of Information Disc  | los. Stmt.                            |  |
| Claims  |   | 8021  | 40                     | 8021         | 40          | Recording each patent assignm   |                                       |  |
| Large Entity Small Entity Fee   |   | 1809  | 770                    | 2809         | 385         | property (times number of property (times number of property).  Filling a submission after final reference in the property (times number of property).  |                                       |  |
| Fee Fee Fee Description Code (\$) Code (\$)                               |   |   |                        | 2000         |             | (37 CFR 1.29(a))  |                                       |  |
|   |   | 1810  | 770                    | 2810         | 385         | For each additional invention to  |                                       |  |
| 1201 86 2001 43 Independent claims in                                     |   |   |                        |              |             | examined (37 CFR 1.129(b)   | ·                                     |  |
| excess of 3   |   | 1801  | 770                    | 2801         | 385         | Request for continued Examina   | ition (RCE)                           |  |
| 1204 86 2004 43 Reissue independent                                       | •   | 1802  | 900                    | 1802         | 900         | Request for expedited examina   | ation of a                            |  |
| claims over original  |   |   |                        |              |             | design application  | <u> </u>                              |  |
| patent 1205 18 2205 9 Reissue claims in excess                            |   |   | Other fee (specify)    |              |             |   |                                       |  |
| of 20 and over original patent  |   |   | - Curior 100 (apeutry) |              |             |   |                                       |  |
| SUBTOTAL (2) (\$)   |   | * Reduced by Resis Filing Foo Reid SUBTOTAL (3) |                        |              |             |   | (3)                                   |  |
| (5)   |   | * Re  | duced                  | by Bas       | ic Filin    | g Fee Paid  | · · · · · · · · · · · · · · · · · · · |  |
| SUBMITTED BY  |   |   |                        |              |             |   |                                       |  |
| Name (Print/Type) Michael E. Taken  |   | Registi   | ration N               | Vo.   2      | 8,120       | Telephone   | (414) 271-7590                        |  |
| Signature 7   |   |   |                        |              |             | Date  |                                       |  |
| Signature Muchael Z. Jakes Date 1/15/04                                   |   |   |                        |              |             | 1/15/04   |                                       |  |

|                                 | First Name          | d Inventor                                      | Kelly R. Schmitz |  |
|---------------------------------|---------------------|---|------------------|--|
| REQUEST AND CERTIFICATION UNDER | Title               | Air Cleaner with Reduced Restriction Precleaner |                  |  |
| 35 U.S.C. 122(b)(2)(B)(i)       | Atty. Docket Number |   | 4191-00340       |  |

I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

January 15, 2004

Date

Michael E. Taken (Reg. No. 28,120)

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant must notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. Failure to do so will result in abandonm nt of this application (35 U.S.C. 122(b)(2)(b)(iii)).